



FMM INSTITUTE

(C10626805080/ 199901000527/ 475427-W)
Centre for Professional Development



USING FAILURE MODES AND EFFECTS ANALYSIS (FMEA) TO DRIVE IMPROVEMENTS

The course leader is an experienced and qualified trainer. He is practicing quality consultant. He is chosen for his proven industrial experience, technical competency, good communication skills and capability to understand the problem you face.

WHO SHOULD ATTEND

This course is designed for managers, engineers, executives, supervisors, or anyone who wish to introduce PFMEA for process and quality improvement.

OBJECTIVES

- To understand the basic concepts, required tools & techniques of failure analysis & risk assessment for process design
- Enable participants to design the risk assessment model that is suitable for individual organization
- Able to implement PFMEA program effectively.

ADMINISTRATIVE DETAILS

Date : **April 29- 30, 2026**
(Wednesday-Thursday)

Time : **2 Days (9:00 am - 5:00 pm)**

Venue : **FMM Institute, Johor Branch**
No. 1 & 3, Jalan Kencana Mas 1/1,
Tebrau Business Park III,
81100 Johor Bahru, Johor

Fees : **RM 1,215.00 (FMM Member)**
RM 1,350.00 (Non member)
The fee inclusive Service Tax at 8%
(SST No: W10-1901-32000105)

Closing Date : **April 15, 2026 (Wednesday)**

Training Provider : **FMM Institute Johor**
MYCOID: 475427W_JOHOR

All cancellations must be made in writing. There will be no charge for cancellation received 7 or more working days before the start of the programme. Cancellation received 5 working days before the start of the programme is subjected to a cancellation fee of 50% of the course fees. Cancellation received 3 working days and below before the start of the programme is subjected to cancellation fee of 100% of the course fees. If the participant fails to attend the programme, the full course fees are payable. However, replacement can be accepted at no additional cost.



COURSE CONTENT

DAY	TIME	COURSE CONTENT
DAY 1	0900-1030	<p>Section 1: Introduction to PPFMEA</p> <ul style="list-style-type: none"> • Traditional way to fix problem vs. PPFMEA • Definition, basic concepts, [purposes and benefits of PPFMEA • Historical background and current applications • PPFMEA development process flow • Relationships between voice of customer and PPFMEA • The timing for design & process PPFMEA in the development cycle.
	1030-1045	TEA BREAK
	1045-1230	<p>Section 2: Tools for failure modes analysis & planning for process PFMEA</p> <ul style="list-style-type: none"> • Application for fault analysis (FTA) & it relationship with PFMEA • Procedure to carry out FTA • Application of cause and effect diagram & its relationship with PFMEA • Steps to carry out effective brainstorming using PFCA cycle
	1230-1330	LUNCH
	1330-1500	<p>Section 2: Tools for failure modes analysis & planning for process PFMEA (Continued)</p> <ul style="list-style-type: none"> • Application for fault tree analysis (FTA) & it relationship with PFMEA • Procedure to carry out FTA • Application of cause and effect diagram & its relationship with PFMEA • Steps to identify root causes by using cause & effect diagram and how to avoid some typical mistakes • Steps to carry out effective brainstorming using PDCA cycle
	1500-1515	TEA BREAK
	1515-1700	<p>Section 3: Planning for PFMEA</p> <ul style="list-style-type: none"> • Factors to be considered during planning • Responsibilities of PFMEA coordinator • Team approach • Case study on how to apply the above mentioned tools

FACILITATOR

EDMUND LEE – was graduated with an Honor Degree in Industrial Engineering from Ohio, USA. His academic background set him a strong foundation in the field of quality, productivity, and business excellence. He has been in training and consultancy field for more than 20 years.

He began his career as an engineer in production, engineering, and quality field in a manufacturing sector where he was tasked to enhance the productivity and quality through kaizen, lean manufacturing as well as six sigma. He was among the selected engineer to be given the opportunity of short term attachment in Japan to learn and expose to the truly Japanese way of kaizen and lean programs.



COURSE CONTENT

DAY	TIME	COURSE CONTENT
DAY 2	0900-1030	Section 3: Planning for PFMEA (Continued) <ul style="list-style-type: none">• Factors to be considered during planning• Responsibilities of PFMEA coordinator• Team approach• Case study on how to apply the above mentioned tools
	1030-1045	TEA BREAK
	1045-1230	Section 4: Techniques for conducting PFMEA <ul style="list-style-type: none">• Techniques to identify potential failure mode, effects of failure, potential causes of failure and current control method• Basic understanding on the ranking of severity, occurrence and detection• The application of relevant tools• The design of ranking to quantify the risk that suitable for individual organization• Understanding of the AP (Action Priority) ranking• Required follow up for effective implementation
	1230-1330	LUNCH
	1330-1500	Section 4: Techniques for conducting PFMEA (Continued) <ul style="list-style-type: none">• Techniques to identify potential failure mode, effects of failure, potential causes of failure and current control method.• Basic understanding on the ranking of severity, occurrence and detection• The application of relevant tools• The design of ranking to quantify the risk that suitable for individual organization• Understanding of the AP (Action Priority) ranking• Required follow up for effective implementation
	1500-1515	TEA BREAK
	1515-1700	Section 4: Techniques for conducting PFMEA (Continued) <ul style="list-style-type: none">• Techniques to identify potential failure mode, effects of failure, potential causes of failure and current control method• Basic understanding on the ranking of severity, occurrence and detection• The application of relevant tools• The design of ranking to quantify the risk the suitable for individual organization• Understanding of the AP (Action Priority) ranking• Required follow up for effective implementation



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APRIL 29 - 30, 2026 | VENUE: FMM INSTITUTE, JOHOR BRANCH

FMM Institute (475427-W)
Puan Sabrina / Pn. Astri / Pn. Ain
Email : sabrina@fmm.org.my / astri@fmm.org.my
/ nur_ain@fmm.org.my
Tel: 07-357 7613 / 14 / 15 / 16 Fax: 07-357 7618

Please tick accordingly:

Fees: FMM Member: RM 1,215.00/pax
(inclusive of 8% Service Tax (SST No: W10-1901-32000105))

Non Member: RM 1,350.00/pax
(inclusive of 8% Service Tax (SST No: W10-1901-32000105))

Dear Sir/Madam,
Please register the following participant (s) for the above programme:

(To be completed in BLOCK LETTERS)

1.Name:	IC No:	Nationality:
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Designation:	Email:	Mobile No.:
-----	-----	-----
2.Name:	IC No:	Nationality:
-----	-----	-----
Designation:	Email:	Mobile No.:
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(if space is insufficient, please attach a separate list)

Disclaimer

Registration is on a first-come first-served basis. All cancellations must be made in writing. There will be no charge for cancellation received 7 or more working days before the start of the webinar. **Cancellation received 5 working days** before the start of the webinar is **subject to a cancellation fee of 50%** of the webinar fees. **Cancellation received 3 working days and below** before the start of the webinar is **subject to a cancellation fee of 100%** of the webinar fees. **If the participant fails to attend the programme, the full webinar fees are payable.** However, replacement can be accepted at no additional cost. The FMM Institute reserves the right to change the speaker, reschedule or cancel the webinar and all efforts will be taken to inform participants of the changes.

We hereby confirmed that (please tick accordingly):

We will be claiming under **HRD CORP CLAIMABLE COURSES** and full payment would made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances.

I (self-sponsor) / We will **NOT BE CLAIMING** under **HRD CORP CLAIMABLE**. Payment will be made to the account payee **FMM Institute** by cheque or bank transfer to **Maybank Account No. 501280056601**.
Tin No. : C10626805080
BRO No. : 475427-W
SST No. : W10-1901-32000105

Submitted by:

Name: _____ Email: _____

Designation: _____ Tel No: _____ Moblie No: _____

Company: _____ Address: _____

Tin No. : (Company Tax Number) _____ Business Registration No. (New/Old) _____ SST No (If Applicable): _____

Company Stamp & Signature: _____ Date: _____